

Amendments to the Claims

Listing of Claims:

Original claims 1 – 5 (canceled).

Replacement claims 1 – 5 (canceled).

Claim 6 (new). A circuit configuration for transmitting data signals from and/or to household appliances, comprising:

a first transceiver device and a second transceiver device connected to transmit the data signals via an AC power supply line system within a transmission frequency range lying above a frequency of the AC power supply;

each said transceiver device including a power supply unit having an input circuit connected to the AC power supply line system via a power supply low-pass filter;

said power supply low-pass filter in said input circuit of said power supply unit having an impedance curve such that an impedance thereof in the transmission frequency range has a value at least twice as high as an impedance of the AC power supply line system in the transmission frequency range.

Claim 7 (new). The circuit configuration according to claim 6, wherein the AC power supply line system includes at least one current-carrying line conductor and a ground conductor, said power supply low-pass filter is formed of an inductive component connected in the respective line conductor and a capacitor configuration connected between at least one end of the respective inductive component and said ground conductor.

Claim 8 (new). The circuit configuration according to claim 7, wherein said capacitor configuration consists of a single capacitor connecting an end of said inductive component on a power supply unit side to said ground conductor of the AC power supply line system and a series circuit of two capacitors connected directly in parallel to said single capacitor, with a common node of said two capacitors connected to the ground connection of the respective power supply unit.

Claim 9 (new). The circuit configuration according to claim 7, which comprises an ohmic resistor connected in parallel with said capacitor configuration.

Claim 10 (new). The circuit configuration according to claim 6, which comprises one winding of a current-compensated choke respectively inserted in a conductor sections of said power supply low pass filter connected to the respective line conductor and a ground conductor of the AC power supply line system.